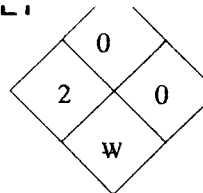


**alphametals**600 Route 440  
Jersey City, New Jersey 07304  
Telephone 201-434-6778

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**SECTION I. GENERAL INFORMATION**

PRODUCT NAME (NUMBER) Solder Alloy 95 Sn/5 Sb

CHEMICAL FAMILY Inorganic Metals.  
D.O.T. HAZARD CLASS Not regulated.**SECTION II. HAZARDOUS INGREDIENTS**

INGREDIENTS	CAS NUMBER	WEIGHT PERCENT	OSHA PEL	ACGIH TLV
Tin	7440-31-5	95	2.0 mg / cum	2.0 mg / cum
Antimony	7440-36-0	5	0.5 mg / cum	0.5 mg / cum

**SECTION III. PHYSICAL DATA**

(PUBLISHED OR ESTIMATED VALUES)

BOILING POINT Deg F. (760 mm Hg)	NA	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	NA
VAPOR PRESSURE (mm Hg at 20 Deg. C.)	NA	% VOLATILE BY WEIGHT	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE	NA
SOLUBILITY IN WATER	Insoluble	pH	NA
APPEARANCE AND ODOR	Silver-white metal, odorless.		

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

ESTIMATED FLAMMABLE LIMITS (% By Volume in Air) LEL: NA UEL: NA

FLASH POINT Deg F. NA

EXTINGUISHING MEDIA NA

SPECIAL FIRE  
FIGHTING  
PROCEDURES Use NIOSH approved self-contained breathing apparatus and full protective clothing if involved in a fire.UNUSUAL FIRE  
AND EXPLOSION  
HAZARD None.

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

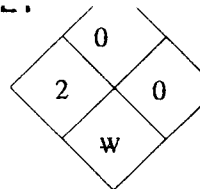
NL - NOT LISTED

UN - UNKNOWN



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**SECTION V.(A) HEALTH HAZARD DATA**

(Symptoms/Effects Of Overexposure)

**TIN:** Tin is relatively non-toxic, but may cause fever, nausea, stomach cramps or diarrhea. Dust or fume may cause irritation of the skin and mucous membranes. Stannosis, a benign pneumoconiosis may result from excessive tin exposure.

**ANTIMONY:** Liver and kidney abnormalities or pneumonitis may result from chronic antimony exposure. Some animal studies indicate that inhalation of antimony trioxide may pose an increased risk of lung cancer.

**LISTED CARCINOGENS:** None of the metal elements of this product are listed as carcinogenic by NTP, IARC, or OSHA.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED:** Diseases of the lung, kidney, liver and nervous system.

**SECTION V.(B) HEALTH HAZARD DATA**

(Emergency and First Aid Procedures)

<b>INHALATION</b>	Not likely to occur. If dust or vapor is present remove individual from exposure. A NIOSH/MSHA approved respirator should be worn where airborne exposures may exceed permissible air limits.
<b>INGESTION</b>	Not likely to occur. Tin is of a low order of toxicity because of poor absorption and rapid excretion of the metal from human tissue. Product contains 5 percent antimony. Consult Poison Control Center for First Aid.
<b>SKIN CONTACT</b>	After handling wash with soap and water.
<b>EYE CONTACT</b>	Flush with water. Dust may cause irritation. If irritation persists get medical attention.

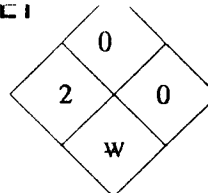
**SECTION VI. REACTIVITY DATA**

<b>STABILITY</b>		<b>CONDITIONS</b>	<b>NA</b>
<b>STABLE:</b>	<b>X</b>	<b>UNSTABLE:</b>	<b>TO AVOID</b>

**INCOMPATIBILITY** Strong acids and strong bases.  
(Materials to Avoid)

**HAZARDOUS DECOMPOSITION PRODUCTS** Antimony trioxide may be evolved at decomposition temperature.

<b>HAZARDOUS POLYMERIZATION</b>		<b>CONDITIONS</b>	
<b>WILL OCCUR:</b>	<b>WILL NOT OCCUR;</b>	<b>TO AVOID</b>	<b>NA</b>

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## Solder Alloy 95 Sn/5 Sb

**SECTION VII. SPILL OR LEAK PROCEDURES**

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Product is solid metal.

WASTE DISPOSAL Scrap or waste may be recycled or collected for disposal.

Must be in accordance with Federal, State and Local Laws and Regulations

**SECTION VIII. SPECIAL PROTECTION**

RESPIRATORY	A NIOSH/MSHA approved dust/fume respirator should be worn where the TLV may be exceeded.
EYEWEAR	Safety glasses and/or face protection is recommended for exposures to dust, grinding or other operations generating flying particles.
CLOTHING/ GLOVES	Protective gloves should be worn if skin contact is appreciable.
VENTILATION	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the TLV.

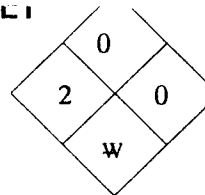
**SECTION IX. SPECIAL PRECAUTIONS**

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Food and drink should not be consumed or tobacco products used, nor cosmetics applied in areas where metal may be used. Always wash after handling and before eating, drinking or smoking.

## OTHER PRECAUTIONS:

Containers: Since empty containers may retain product residues (vapor, liquid, or solid) all labeled hazard precautions must be observed. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

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**SECTION X. ADDITIONAL INFORMATION**

## ----- REGULATORY INFORMATION -----

Toxic Substance Control Act (TSCA) Status:

All ingredients of this product are listed on the TSCA inventory.

SARA TITLE III (Section 313):

Components present in this product at a level which could require  
reporting under the statute are:

Antimony

California State Proposition 65:

This product does not contain chemicals which the State of California  
has found to cause cancer, birth defects or other reproductive harm.**EMERGENCY TELEPHONE NUMBER**

CHEMTREC

1-800-424-9300

DAY OR NIGHT

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